

Claims

1. A mixture, containing

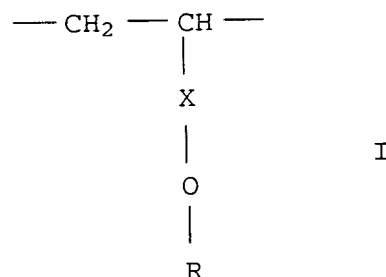
5

A) a polymer, which consists to an extent of at least 40 wt % of C₁-C₁₈ alkyl (meth)acrylates (referred to herein as polyacrylates) and

10

B) a homopolymer or copolymer of vinyl alkyl ether (referred to herein as polyvinyl alkyl ether), which consists to an extent of at least 70 wt % of structural units of the following formula

15



20

in which X stands for a single bond or a C₁-C₃ alkylene group and R for a C₁-C₆ alkyl group.

25

2. A mixture as defined in claim 1, wherein the polyacrylate has a Fikentscher K-value of from 30 to 80 (in 1 % strength solution, solvent tetrahydrofuran, 21°C).

30

3. A mixture as defined in claim 1, wherein the mixture contains a photoinitiator.

4. A mixture as defined in claim 3, wherein the photoinitiator is bonded to the polyacrylate.

35

5. A mixture as defined in claim 1, wherein, in the polyvinyl alkyl ether of formula I, X stands for single bond and R for a C₁-C₄ alkyl group.

40

6. A mixture as defined in claim 1, wherein the polyvinyl alkyl ether has a Fikentscher K-value of from 10 to 90 (in 1 % strength solution, solvent tetrahydrofuran, 21°C).

45

7. A mixture as defined in claim 1, wherein the proportion of polyvinyl alkyl ether is from 0.1 to 60 parts by weight, based on 100 parts by weight of polyacrylate A).
- 5 8. A mixture as defined in claim 1, obtained by producing the polyacrylate by solvent polymerization and adding the polyvinyl alkyl ether prior to removal of the solvent used for the polymerization.
- 10 9. A mixture as defined in claim 1, wherein the mixture exhibits a content of water or organic solvents of less than 5 parts by weight based on 100 parts by weight of the sum of polyacrylate A) and polyvinyl alkyl ether B).
- 15 10. A method of using a mixture as defined in claim 1 as an adhesive, particularly a self-adhesive.
11. A method of using a mixture as defined in claim 1 as a hot-melt adhesive.
- 20 12. A method of using a mixture as defined in claim 1 as an adhesive, wherein at least one of the surfaces to be bonded by the adhesive is of flexible PVC.
- 25 13. A method of using a mixture as defined in claim 1 as a self-adhesive, particularly a hot-melt adhesive for the manufacture of self-adherent articles incorporating flexible PVC as support material.
- 30 14. A process for the production of self-adherent articles, wherein the mixture as defined in claim 1 is applied to a substrate, such as a label, tape, or large-area film, followed by crosslinking thereof by means of UV light.
- 35 15. A process as defined in claim 14, wherein the mixture is applied to the substrate from the melt at temperatures ranging from 100° to 160°C and is then crosslinked with UV light.
16. A self-adherent article obtained by a process as defined in claim 1.
- 40